

CLAIMS

1. A tire having a core substantially filled with a mixture of core bits and a virgin polyurethane.

*TIRE OR CORE
IS FILLED?*

2. The tire of claim 1 wherein said mixture occupies more than 95% of the core.

3. The tire of claim 1 wherein said mixture is comprised from about 50 to about 99 weight percent core bits, and from about 1 to about 49 percent mixture of the virgin polyurethane.

4. The tire of claim 1 wherein said mixture is comprised from about 60 to about 95 weight percent core bits and from about 5 to about 40 percent mixture of the virgin polyurethane.

5. The tire of claim 1 wherein said mixture is comprised from about 75 to about 90 weight percent core bits and from about 10 to about 25 percent mixture of the virgin polyurethane.

6. The tire of claim 1 wherein said core bits have an average particle size of less than 0.125 cubic inches.

7. The tire of claim 1 wherein said core bits have an average particle size of less than 0.0156 cubic inches.

8. The tire of claim 1 wherein said core bits have an average particle size between .125 cubic inches and .000244 cubic inches.

9. The tire of claim 1 wherein said tire includes an outer casing and a tube located within said casing, said core being contained in said tube.

10. The tire of claim 1 wherein said tire is tubeless.

11. The tire of claim 1 further comprising an outer casing, an exposed rim, and a valve fixed to said rim.

12. The tire of claim 11 wherein said valve has an opening, said core bits being sized to permit passage through said opening.

13. The tire of claim 1 wherein said virgin polyurethane includes a combination of a polyol and an isocyanate.

14. The tire of claim 1 wherein said virgin polyurethane includes a toluene diisocyanate.

15. The tire of claim 1 wherein said virgin polyurethane is a flatproofing material.

16. The tire of claim 1 wherein said mixture is comprised from about 75 to about 90 weight percent core bits and from about 10 to about 25 percent mixture of the virgin polyurethane, said core bits have an average particle size between .125 cubic inches and .000244 cubic inches, and said virgin polyurethane is a flatproofing material.

17✓ A tubed tire comprising core bits within the tube.

18. The tire of claim 17 wherein said tube has a filled volume, said tube being at least partially filled by a mixture including said core bits.

19. The tire of claim 18 wherein said mixture is comprised from about 50 to about 99 weight percent core bits.

20. The tire of claim 18 wherein said mixture is comprised from about 70 to about 95 weight percent core bits

21. The tire of claim 18 wherein said mixture includes a virgin polyurethane.

22. The tire of claim 18 wherein said mixture includes toluene diisocyanate.

23. The tire of claim 18 wherein said mixture includes a flatproofing material.

24. The tire of claim 23 wherein said core bits have an average particle size between .125 cubic inches and .000244 cubic inches, and wherein said mixture is comprised from about 70 to about 95 weight percent core bits.

25. A tire having a core substantially filled with a premixed combination of ground pieces of a polyurethane and a liquid virgin polyurethane.

26. The tire of claim 25 wherein said ground polyurethane includes material that has been ground from a recycled core of a different tire.

27. The tire of claim 26 wherein said liquid virgin polyurethane is a flatproofing material.

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